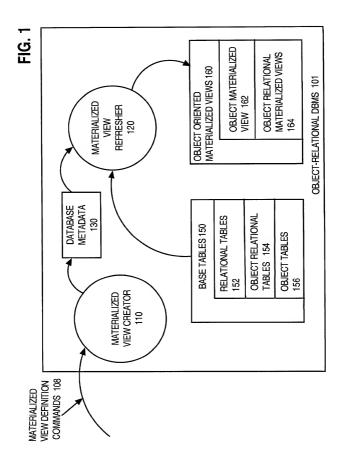
Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 1 of 13



Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 2 of 13

**PERSONS** 

FIRST_NAME_P	LAST_NAME_P	ADDRESS_P		

FIG. 2

Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 3 of 13

PERSON\_ADDRESSES 310

ZIP 215 OBJECT_ID_PA 216							
ZIP 215							
CITY 213 STATE 214							
CITY 213							
STREET 212							
	HOWS 320						

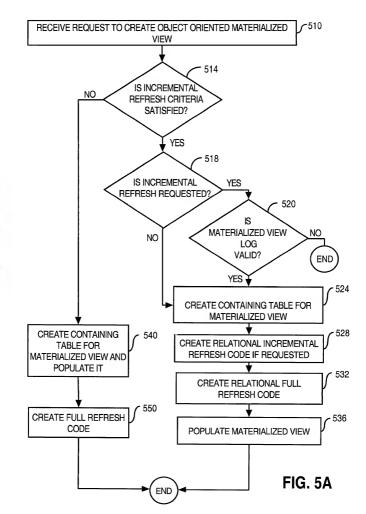
FIG. 3

	SS_P'	I_ZIP_P				
		I_STATE_P				
	ADDRESS_P'	LCITY_P				
		ST NAME PLAST NAME P   STREET P				
		 LAST NAME P				
/		ST NAME P				

Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al.
Express Mail No. EL558817321US
Docket No. 50277-1755 She

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Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 5 of 13



Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express i/fail No. EL558817321US Docket No. 50277-1755 Sheet 6 of 13

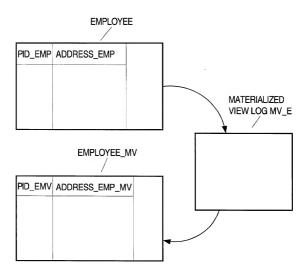


FIG. 5B

Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 7 of 13

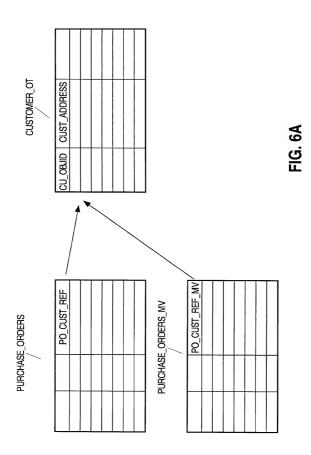
CUSTO	OMER_OT
CUST_ADDRESS	
	/

CUSTOMER\_OMV

CUMV\_OBJID | CUST\_ADDRESS

FIG. 5C

Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 8 of 13



Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 9 of 13

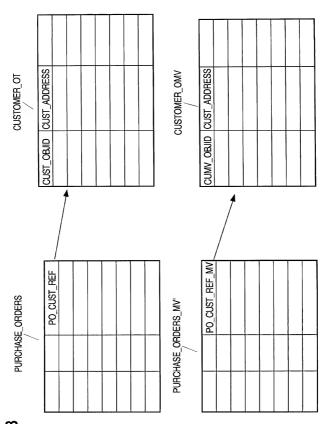
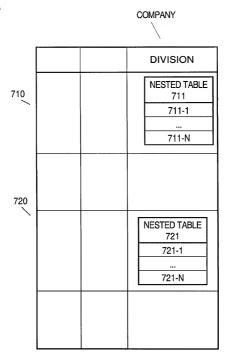


FIG. 6B

FIG. 7A



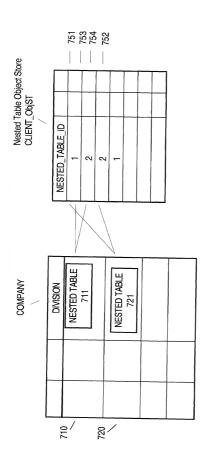


FIG 7R

Title: Object-Oriented Materialized Views Inventor(s): Wayne Smith, et al. Express Mail No. EL558817321US Docket No. 50277-1755 Sheet 12 of 13

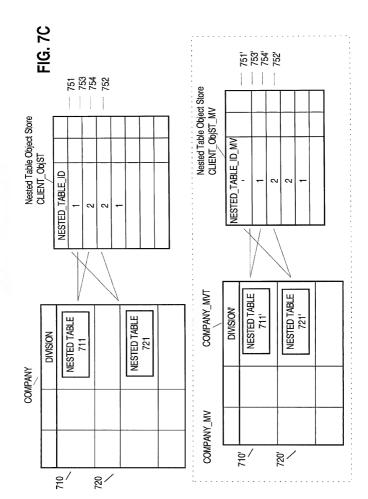


FIG. 8

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